New York State Department of Transportation
Yellow Flag NB22CTW023

By: Rehan Afridi
Flag Date: July 12, 2022

Superseding Information:
No Flags Superseded

Structure Information

BIN: **1065318**
Feature Carried: 278I278IX2M23027
Feature Crossed: 6TH AVENUE
Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY
County: KINGS
Political Unit: City of NEW YORK
Approximate Year Built: 1962

Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation
Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party
Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder
This Bridge is not a Ramp
Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.
Date: July 12, 2022 2:00:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Rehan Afridi, P.E. 075185
Date: July 20, 2022

Reviewed By: Robert Kemp
Date: July 20, 2022

Attachments: 9

Flagged Elements

Parent Element	Element	Total Quantity	Unit
	Span Number : 198		
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	42	each

Flagged Condition Description

This is Yellow Flag No. NB22CTW023 is NEW.

Location: Span 198, Stringer S2 at Pier 198

Description: The end of Stringer S2 in Span 198 at Pier 198 exhibits two (2) vertical cracks at the right side connection angle; a full height vertical crack at the fillet (Photo 7) and an 8” long crack (Photo 8).
In addition, the left side of Stringer S2 exhibits a 2” to 4” high x 1’-0” long area with 1/16” to 1/8” deep section loss at the lower web. Along the connection angle the web exhibits a 1” to 2” wide x full height area with 1/8” deep section loss. The right side of Stringer S2 exhibits a 4” wide x 12” high area with 1/8” to 3/16” deep section loss at the top of web. Along the connection angle the web exhibits a 9” high x 3” wide area with 1/8” deep section loss. Additionally, the web exhibits a dent up to 1/2" deep at the begin side of the connection angle.

This is a NEW flag.

Notes:

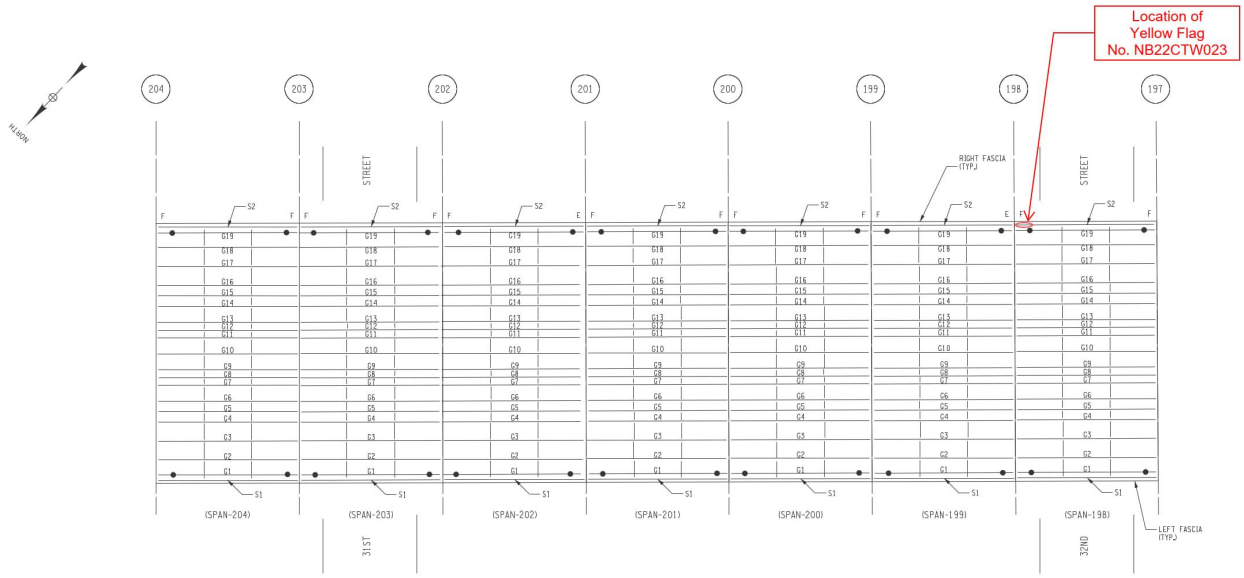
1.Stringer S2 receives no direct live loading but supports the barrier/railing above on I278.

2.The adjacent Girder G19 (left side) spaced 2’-01” center to center is in fair condition and has repair plates installed.

3.Double left lane closure at 3rd Avenue Eastbound (to Hugh Carey Tunnel) between 33rd and 32nd Streets, and a 35’ bucket truck are required to access this location.

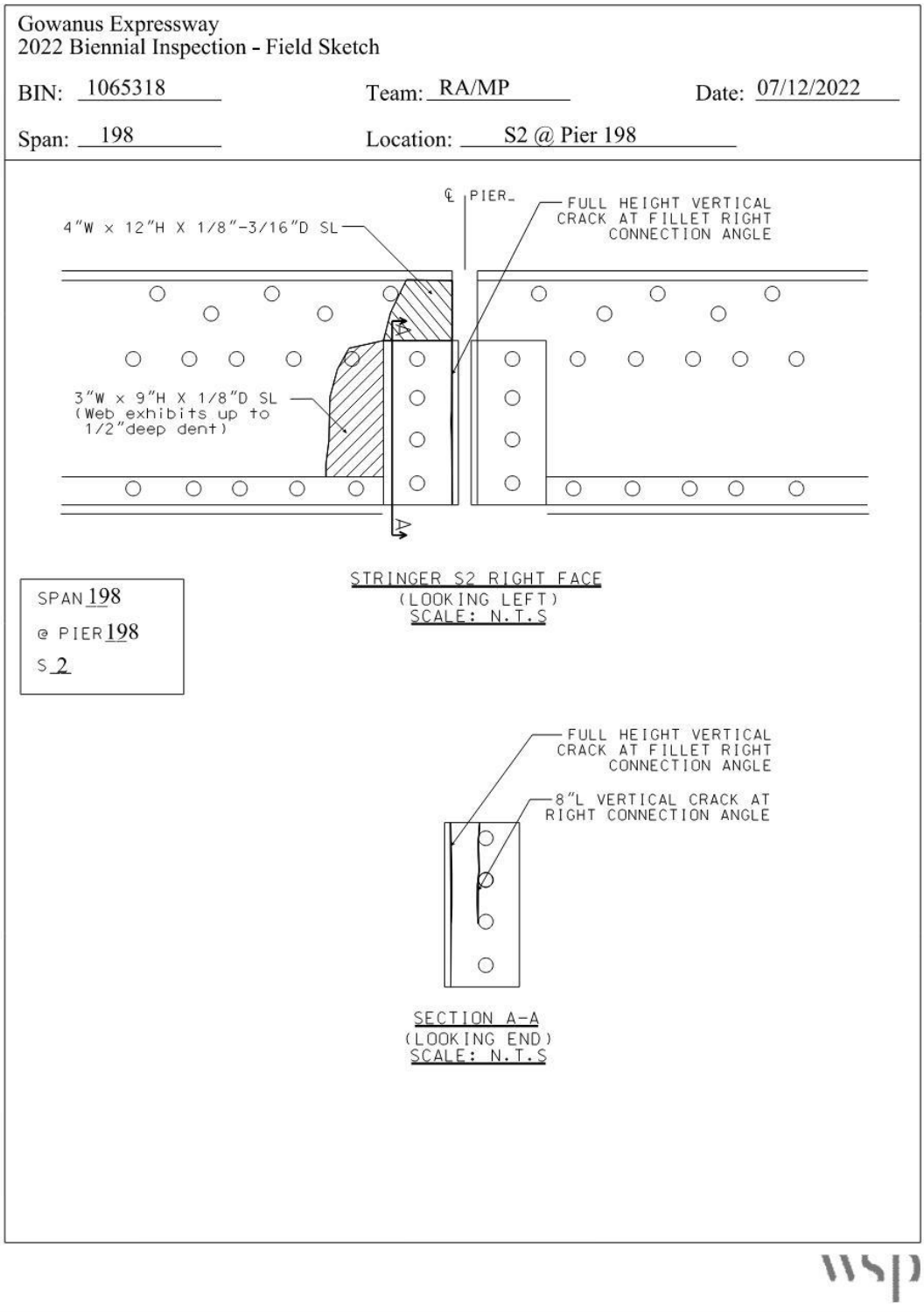
Flag Photographs

Photo Number: **1** Photo Filename: **Framing Plan.jpg**



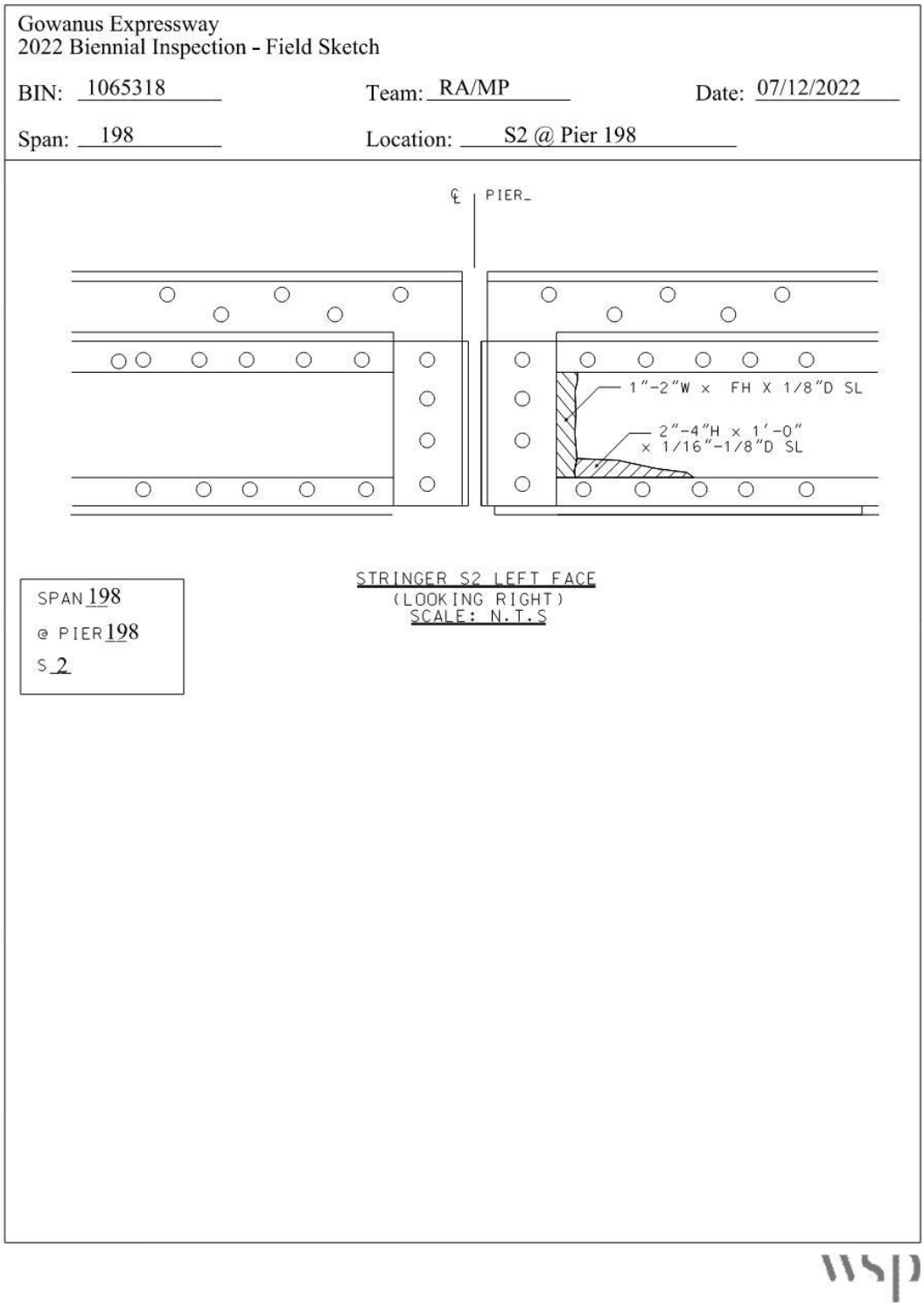
Attachment Description: **Framing Plan - Span 198**

Photo Number: **2** Photo Filename: **Sketch 1.jpg**



Attachment Description: **Yellow Flag Condition Sketch 1**

Photo Number: **3** Photo Filename: **Sketk 2.jpg**



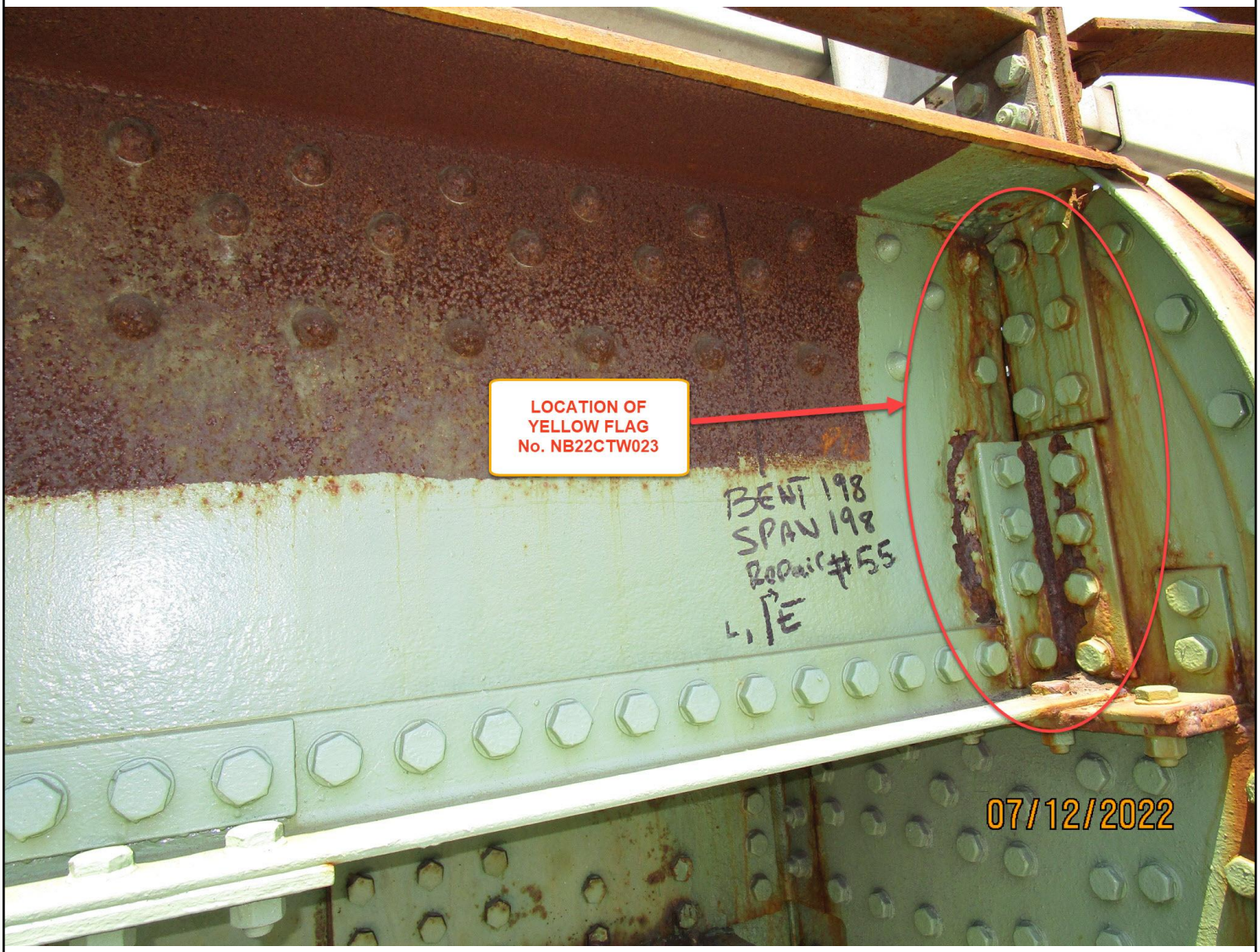
Attachment Description: **Yellow Flag Condition Sketch 2**

Photo Number: **4** Photo Filename: **1-RA 657_2549.jpg**



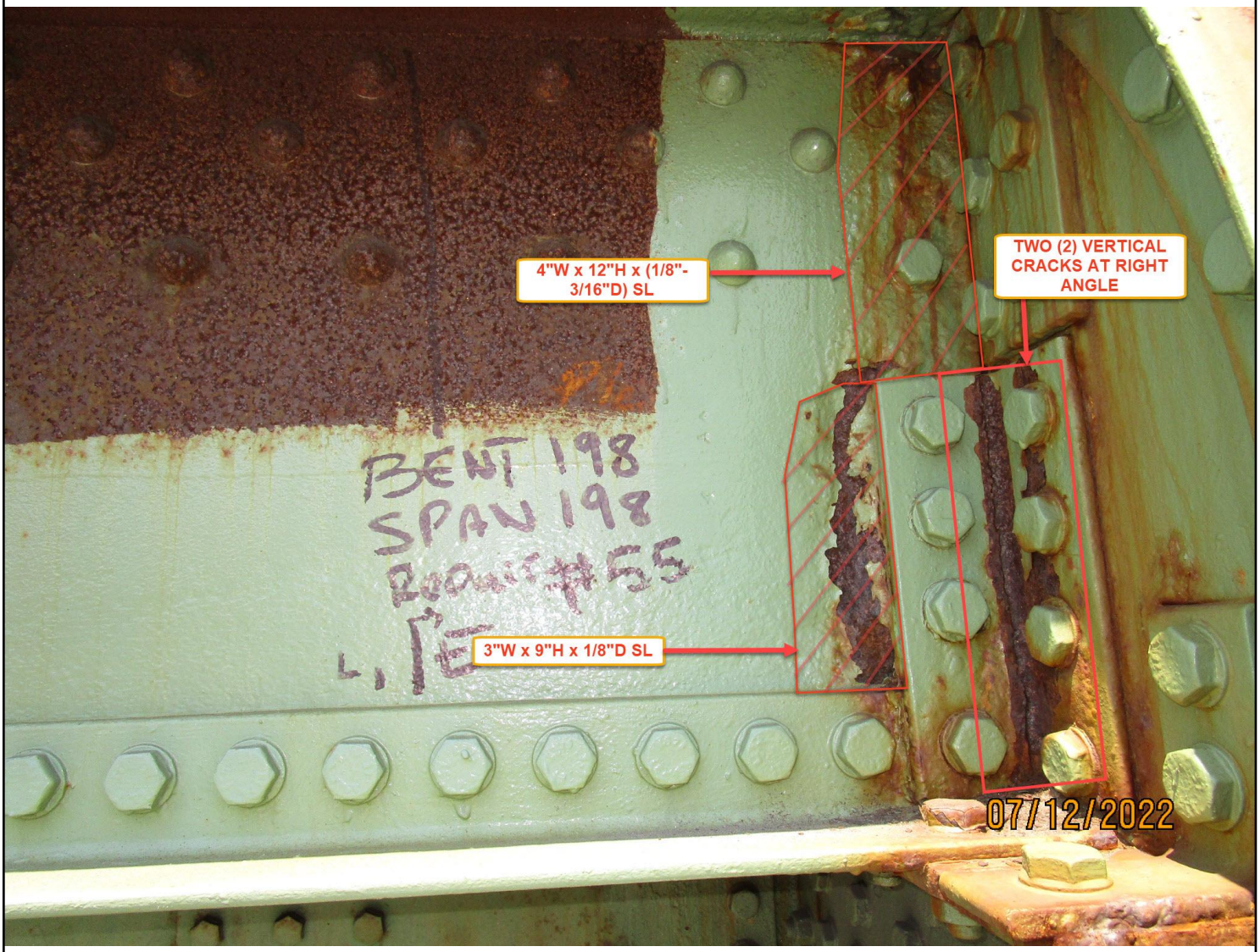
Attachment Description: **General view of the location of flagged condition at Span 198 Stringer S2 at Pier 198. Looking End.**

Photo Number: **5** Photo Filename: **2-RA 657_2538.jpg**



Attachment Description: **Close up view of the flagged condition at Span 198 Stringer S2 at Pier 198. Looking End.**

Photo Number: **6** Photo Filename: **3-RA 657_2539.jpg**



Attachment Description: **The end of Stringer S2 in Span 198 at Pier 198 exhibits two (2) vertical cracks at the right side connection angle, a full height vertical crack at the fillet and an 8" long vertical crack at the connection to Pier. Looking Left.**

Photo Number: **7** Photo Filename: **4-RA 657_2542.jpg**



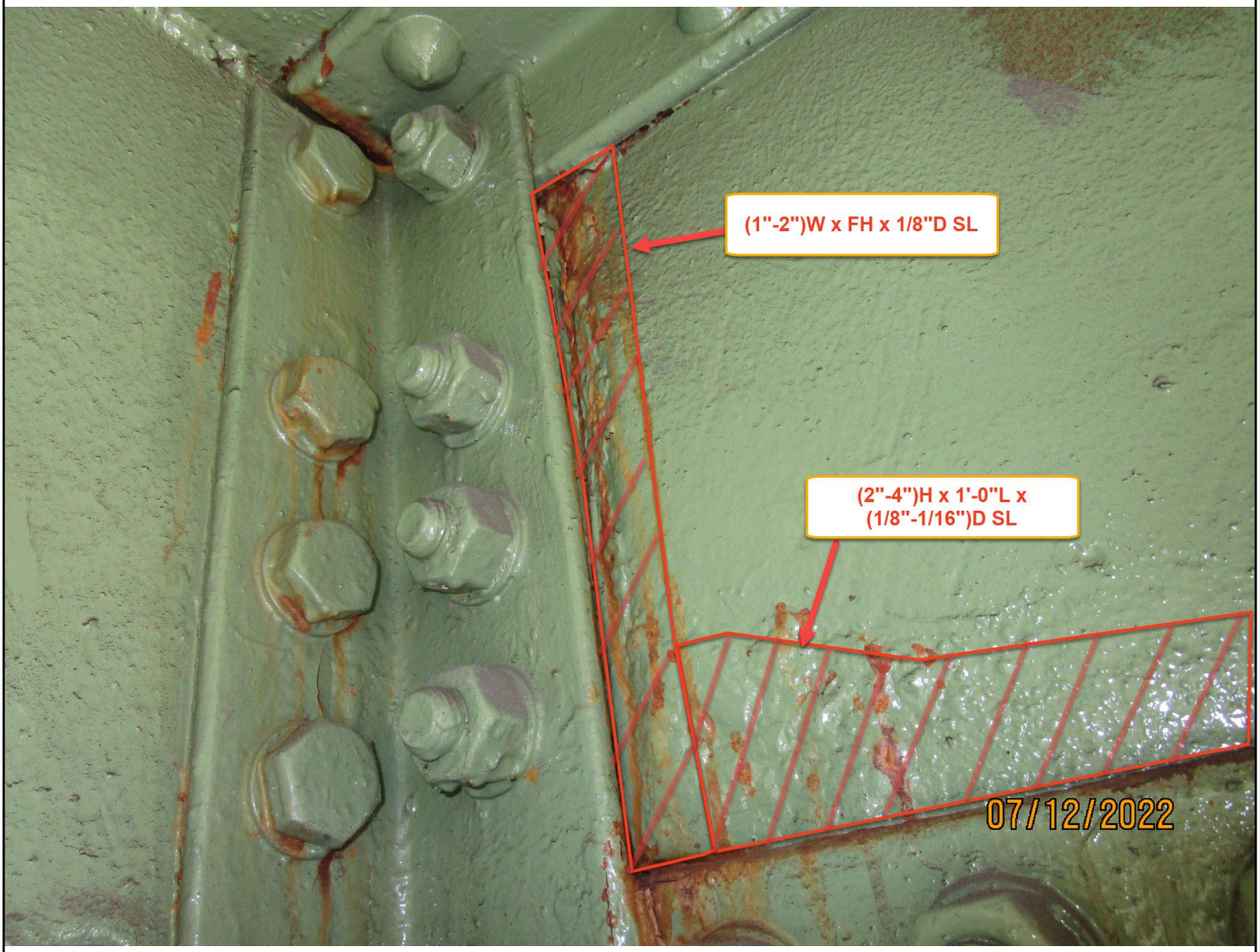
Attachment Description: **The end of Stringer S2 in Span 198 at Pier 198 exhibits a full height vertical crack at the fillet. Looking End Left.**

Photo Number: **8** Photo Filename: **5-RA 657_2543.jpg**



Attachment Description: **The end of Stringer S2 in Span 198 at Pier 198 exhibits an 8" long vertical crack at the connection angle. Looking End.**

Photo Number: **9** Photo Filename: **6-RA 657_2547.jpg**



Attachment Description: **The left side of Stringer S2 exhibits a 2” to 4” high x 1’-0” long area with 1/16” to 1/8” deep section loss at the lower web. Along the connection angle the web exhibits a 1” to 2” wide x full height area with 1/8” deep section loss. Looking End Right.**